

SEQUENCE LISTING

<110> Apotech R & D S.A.
Biogen, Inc.

<120> April Receptor (BCMA) and Uses Thereof

<130> A083PCT

<140> PCT/US00/27579

<141> 2000-10-05

<150> 60/215688

<151> 2000-06-30

<150> 60/181807

<151> 2000-02-11

<150> 60/157933

<151> 1999-10-06

<160> 12

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 736

<212> DNA

<213> murine

<400> 1

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120

catcggttac tcagatttag aaggggattt cgatgttgct gttttgccat tttccaacag
180

cacaaataac gggttattgt ttataaatac tactattgcc agcattgctg ctaaagaaga
240

aggggtatct ctcgagaaaa gagaacaaaa actcatttct gaggaagatc tgaataaaga
300

gctccactca gtccctgcac ttgttccagt taacattacc tccaaggact ctgacgtgac
360

agaggtgatg tggcaaccag tacttaggcg tgggagaggc ctggaggccc agggagacat
420

tgtacgagtc tgggacactg gaatttatct gctctatagt caggtcctgt ttcattgatgt
480

gactttcaca atggggtcagg tggatatctcg ggaaggacaa gggagaagag aaactctatt
540

A083seq.txt

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aggtgtcttt catttacatc aaggggatat tatcactgtc aaaattccac gggcaaacgc
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aaaacttagc ctttctccgc atggaacatt cctgggggttt gtgaaactat gagcggccgc
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gaattaattc gcctta
736
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<210> 2
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<212> DNA
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gtgtttattg cccaataaca aatatttatg atgataacgg tcgtaacgac gatttcttct
240
tcccacataga gagctctttt ctcttgtttt tgagtaaaga ctcttcttag acttatttct
300
cgaggtgagt caggacgtag aacaaggtea attgtaatgg aggttcctga gactgcactg
360
tctccactac accgttggtc atgaatccgc accctctccg gacctccggg tccctctgta
420
acatgctcag accctgtgac cttaaataga cgagatatca gtccaggaca aagtactaca
480
ctgaaagtgt taccaggtcc accatagagc ccttcctgtt cctctcttctc tttgagataa
540
ggctacatag tcttcatacg gaagactagg actggcacgg atgttatcga cgatgtcacg
600
tccacagaaa gtaaattgtag ttcccctata atagtgacag ttttaagggtg cccgtttgcg
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<210> 3
<211> 234
<212> PRT
<213> homo sapiens
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Ala Leu Ala Ala Pro Val Asn Thr Thr Thr Glu Asp Glu Thr Ala Gln
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A083seq.txt

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Ile	Pro	Ala	Glu	Ala	Val	Ile	Gly	Tyr	Ser	Asp	Leu	Glu	Gly	Asp	Phe
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Asp	Val	Ala	Val	Leu	Pro	Phe	Ser	Asn	Ser	Thr	Asn	Asn	Gly	Leu	Leu
	50					55					60				
Phe	Ile	Asn	Thr	Thr	Ile	Ala	Ser	Ile	Ala	Ala	Lys	Glu	Glu	Gly	Val
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Ser	Leu	Glu	Lys	Arg	Glu	Gln	Lys	Leu	Ile	Ser	Glu	Glu	Asp	Leu	Asn
				85					90					95	
Lys	Glu	Leu	His	Ser	Val	Leu	His	Leu	Val	Pro	Val	Asn	Ile	Thr	Ser
			100					105					110		
Lys	Asp	Ser	Asp	Val	Thr	Glu	Val	Met	Trp	Gln	Pro	Val	Leu	Arg	Arg
		115					120					125			
Gly	Arg	Gly	Leu	Glu	Ala	Gln	Gly	Asp	Ile	Val	Arg	Val	Trp	Asp	Thr
	130					135					140				
Gly	Ile	Tyr	Leu	Leu	Tyr	Ser	Gln	Val	Leu	Phe	His	Asp	Val	Thr	Phe
145					150					155					160
Thr	Met	Gly	Gln	Val	Val	Ser	Arg	Glu	Gly	Gln	Gly	Arg	Arg	Glu	Thr
				165					170					175	
Leu	Phe	Arg	Cys	Ile	Arg	Ser	Met	Pro	Ser	Asp	Pro	Asp	Arg	Ala	Tyr
			180					185					190		
Asn	Ser	Cys	Tyr	Ser	Ala	Gly	Val	Phe	His	Leu	His	Gln	Gly	Asp	Ile
		195				200						205			
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<210> 4

<211> 542

<212> DNA

<213> homo sapiens

<400> 4

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actctgtcct gcacctgggt cccattaacg ccacctccaa ggatgactcc gatgtgacag
180
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240
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ctttcaccat gggtcagggt gtgtctcgag aaggccaagg aaggcaggag actctattcc
360
gatgtataag aagtatgccc tcccaccggg accgggccta caacagctgc tatagcgcag
420
gtgtcttcca ttacaccaa ggggatattc tgagtgtcat aattccccgg gcaagggcga
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A083seq.txt

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542

<210> 5
<211> 542
<212> DNA
<213> homo sapiens

<400> 5
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240
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300
gaaagtggta cccagtcacac cacagagctc ttccggttcc ttccgtcctc tgagataagg
360
ctacatattc ttcatacggg aggggtgggccc tggcccggat gttgtcgacg atatcgcgtc
420
cacagaaggt aaatgtgggt cccctataag actcacagta ttaaggggcc cgttcccgc
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gg
542

<210> 6
<211> 172
<212> PRT
<213> homo sapiens

<400> 6
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Tyr Lys Asp Asp Asp Lys Gly Pro Gly Gln Val Gln Leu Gln Lys
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Gln Lys Lys Gln His Ser Val Leu His Leu Val Pro Ile Asn Ala Thr
35 40 45
Ser Lys Asp Asp Ser Asp Val Thr Glu Val Met Trp Gln Pro Ala Leu
50 55 60
Arg Arg Gly Arg Gly Leu Gln Ala Gln Gly Tyr Gly Val Arg Ile Gln
65 70 75 80
Asp Ala Gly Val Tyr Leu Leu Tyr Ser Gln Val Leu Phe Gln Asp Val
85 90 95
Thr Phe Thr Met Gly Gln Val Val Ser Arg Glu Gly Gln Gly Arg Gln
100 105 110

A083seq.txt

Glu	Thr	Leu	Phe	Arg	Cys	Ile	Arg	Ser	Met	Pro	Ser	His	Pro	Asp	Arg
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Ala	Tyr	Asn	Ser	Cys	Tyr	Ser	Ala	Gly	Val	Phe	His	Leu	His	Gln	Gly
	130					135					140				
Asp	Ile	Leu	Ser	Val	Ile	Ile	Pro	Arg	Ala	Arg	Ala	Lys	Leu	Asn	Leu
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<210> 7
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 ggactgagct taataatttc tttggcagtt ttcgtgctaa tgtttttgct aaggaagata
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 300
 aacattgacc tggaaaagag caggactggt gatgaaatta ttcttccgag aggcctcgag
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 420
 gaccattgct ttccactccc agctatggag gaaggcgcaa ccattcttgt caccacgaaa
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<210> 8
 <211> 184
 <212> PRT
 <213> homo sapiens

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 Pro Pro Leu Thr Cys Gln Arg Tyr Cys Asn Ala Ser Val Thr Asn Ser
 35 40 45
 Val Lys Gly Thr Asn Ala Ile Leu Trp Thr Cys Leu Gly Leu Ser Leu
 50 55 60
 Ile Ile Ser Leu Ala Val Phe Val Leu Met Phe Leu Leu Arg Lys Ile

A083seq.txt

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Leu	Gly	Met	Ala	Asn	Ile	Asp	Leu	Glu	Lys	Ser	Arg	Thr	Gly	Asp	Glu
			100					105					110		
Ile	Ile	Leu	Pro	Arg	Gly	Leu	Glu	Tyr	Thr	Val	Glu	Glu	Cys	Thr	Cys
		115					120					125			
Glu	Asp	Cys	Ile	Lys	Ser	Lys	Pro	Lys	Val	Asp	Ser	Asp	His	Cys	Phe
	130					135					140				
Pro	Leu	Pro	Ala	Met	Glu	Glu	Gly	Ala	Thr	Ile	Leu	Val	Thr	Thr	Lys
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Thr	Asn	Asp	Tyr	Cys	Lys	Ser	Leu	Pro	Ala	Ala	Leu	Ser	Ala	Thr	Glu
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<210> 9
 <211> 483
 <212> DNA
 <213> homo sapiens

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 180
 aatttcctgc tcaaattttt gtgtcctagt ccagaggacc cgtaccgatt gtaactggac
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 483

<210> 10
 <211> 483
 <212> DNA
 <213> homo sapiens

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 120

A083seq.txt

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ccactcccag ctatggagga aggcgcaacc attcttgtca ccacgaaaac gaatgactat
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taa
483

<210> 11
<211> 906
<212> DNA
<213> homo sapiens

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A083seq.txt

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906

<210> 12
<211> 302
<212> PRT
<213> homo sapiens

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35 40 45
Leu Arg Cys Ser Ser Asn Thr Pro Pro Leu Thr Cys Gln Arg Tyr Cys
50 55 60
Asn Ala Ser Val Thr Asn Ser Val Lys Gly Val Asp Lys Thr His Thr
65 70 75 80
Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe
85 90 95
Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro
100 105 110
Glu Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val
115 120 125
Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr
130 135 140
Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val
145 150 155 160
Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys
165 170 175
Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser
180 185 190
Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro
195 200 205
Ser Arg Asp Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val
210 215 220
Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly
225 230 235 240
Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp
245 250 255
Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp
260 265 270
Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His
275 280 285
Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
290 295 300